



Document Authority

June 2001
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Chairman & Founder
Federal PKI TWG

Agenda

- Poll
- ValiCert – why Document Authority ?
- Detailed Overview:
 - Document Authority
- Q & A

Poll

- Please raise your hand if:

Poll

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 - You need long term trusted records retention

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 - You are deploying governmental e-forms

Poll

- Please raise your hand if:
 - You need long term trusted records retention
 - You need to securely “digitize” a paper process today
 - You need to deploy digital signatures
 - You are part of a geographically distributed organization but need to share documents & transfer information everyday
 - You are deploying e-forms
 - You have or are investing in PKI

- Founder 1996
- Headquartered in Mountain View, California
- NASDAQ:VLCT
- 200 people
- Offices: Amsterdam, Tokyo, London, Paris, Hong Kong, Singapore

Mission:

**To be the leading provider of trust to
electronic business transactions**

Document Authority

- Business Challenges
- Document Authority Solution
- Product Overview
- Key Features and Benefits
- Suggested Applications
- Appendix

Challenges with Today's Model

Expensive

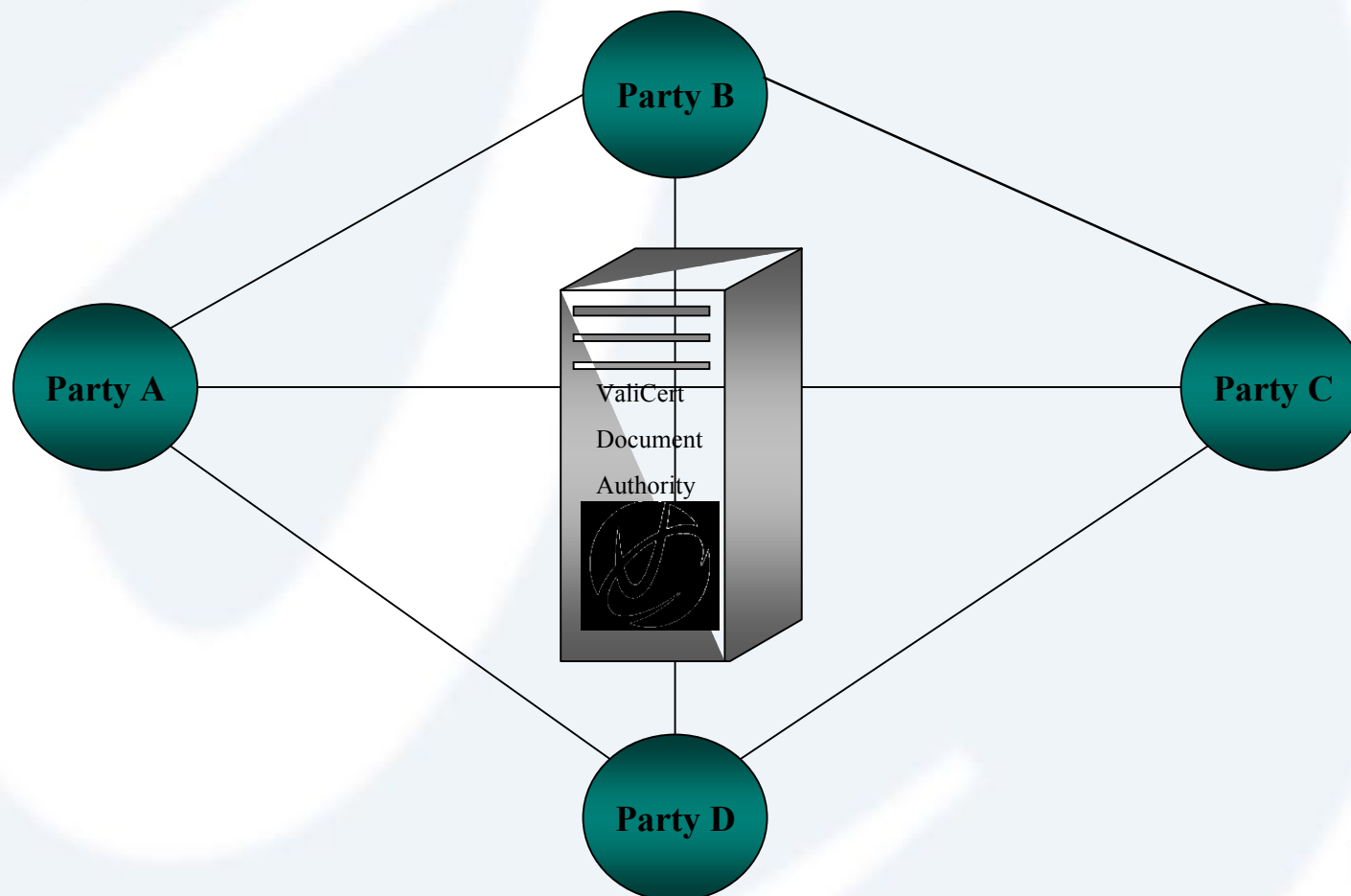
- Costly paper-intensive business processes
- Migration of applications can be hard

Not enough support for business processes

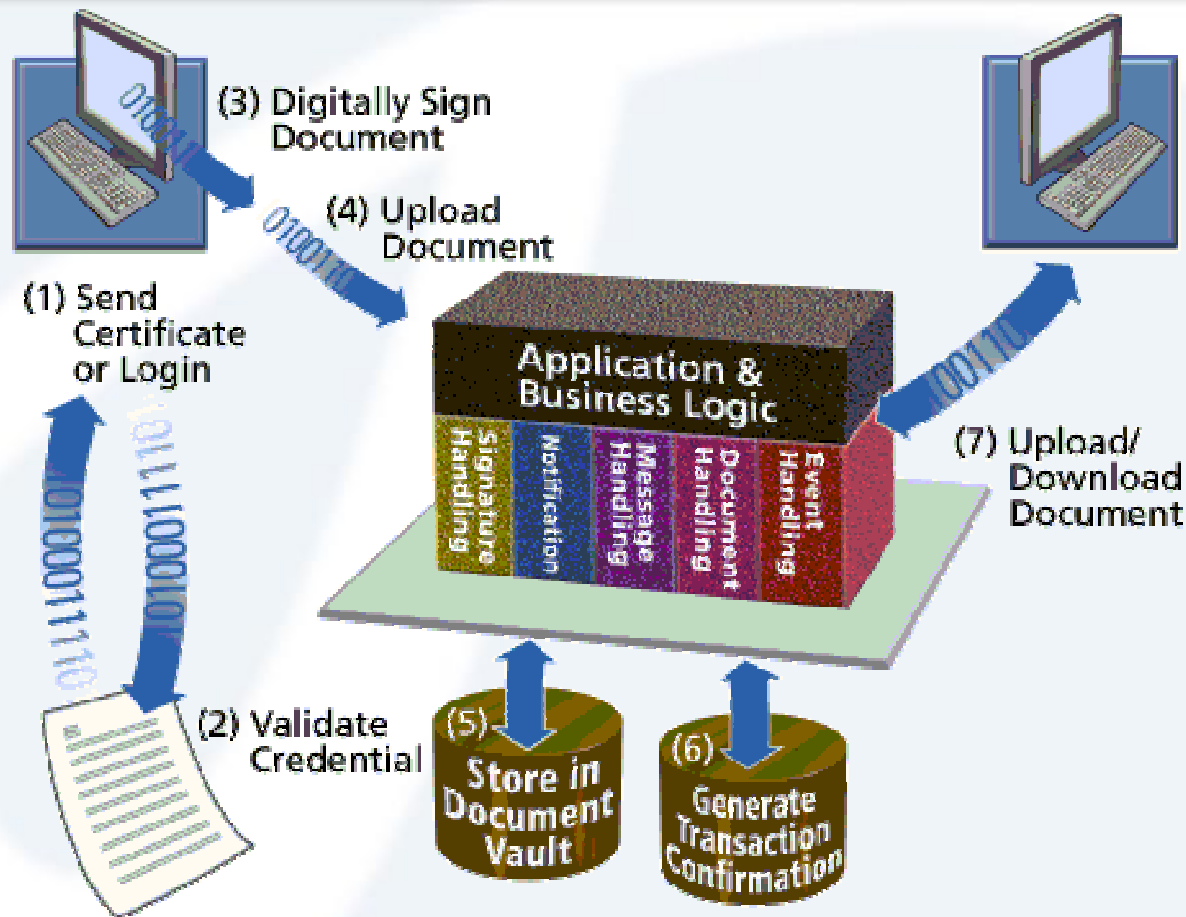
- No enforceable work-flow
- No strong access control of documents
- No assurance of document delivery to intended recipient

The Solution: Document Authority

Document Authority provides secure and legal-grade document sharing, storage, and exchange over public networks



Document Authority Overview



Document Authority offers a premier solution for **secure**, on-line document sharing, storage and exchange

Supported Capabilities

- Upload document
- Download document
- Sign document
- Request Signature from another entity
- Specify access control rules
- Send a document
- Specify a set of action-requests on a document
- Track revision changes to documents
- Search for a document

Key Features

Supports Critical Business Processes

- Document Sharing, Storage, & Exchange
- Multi-Signature
- Document Versioning
- Evidence & Non-Repudiation
- Supports e-forms

Flexible

- Web Based Solution
- All-Source

Secure

- Proven Security Infrastructure
- Verifiable Data Integrity And Authenticity

Key Features – Components

Web-Based Administration

- Users, groups, and roles define permissions for documents, folders, and messages
- Administrators manage/override all permissions

Messaging Services

- Secure, web-based email service sends receives, stores, and retrieves messages
- Each message generates receipts to record actions
- DA-DA messaging & communication

Document Management Services

- Folder structure supports access control permissions
- Users organize documents into folders and search/access based on privileges
- Keyword and meta data search capability

Transaction Confirmation / Receipt & Notary Services

- Document confirmation for upload, download, delete, move
- Message confirmation for send, read, reply, forward, and delete

Validation Authority

- Available for validating credential and users

Digital Signing

- Optional smart card integrations to digitally sign documents
- Other signing technologies

Key Benefits

- **Designed using a proven security infrastructure for any e-process involving documents**
- **100% customizable interface**
- **Comprehensive solution**
- **Content-type neutral**
- **Is a secure system, and information does not exit without appropriate access permissions**
- **Strong security ensures data integrity and user authenticity**

Document Authority: Documents

Document Authority - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Document Authority™

My Documents My Messages My Receipts My Profile Administration

Welcome, Ulagu Kumar --Current domain is main

Home Folder
Public Folders
Deleted Items
Help
Support
Logout

My Documents

Viewing My Documents

Showing 9 entries.

Documents

	Name	Size	Date	Send	Add	Info	Delete
<input type="checkbox"/>	Assets.gif	2261	2000-11-29 15:54:52.0				
<input type="checkbox"/>	DV_TestMetadata.xml	690	2000-11-27 18:27:12.0				
<input type="checkbox"/>	Inventory.gif	1931	2000-11-29 12:29:38.0				
<input type="checkbox"/>	Msart1.bdr	32246	2000-11-27 18:25:55.0				
<input type="checkbox"/>	Service.gif	2092	2000-11-29 16:10:52.0				
<input type="checkbox"/>	db-sun-1.xls	477	2000-11-28 10:13:10.0				
<input type="checkbox"/>	doc-sun-1.xls	449	2000-11-27 18:27:11.0				
<input type="checkbox"/>	newtestmultiplecopy	-	2000-11-27 18:29:50.0				
<input type="checkbox"/>	test	-	2000-11-27 16:08:30.0				

Document Authority: Messaging

Document Authority - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Document Authority™ ValiCert Securing e-Transactions™

My Documents My Messages My Receipts My Profile Administration

Welcome, Ulagu Kumar --Current domain is main

My Messages

Viewing (16 messages)

Page 1 of 2 ◀ First Page ◀ Prev Page Next Page ▶ Last Page ▶ Go To Page

Inbox				
	From	Subject	Date	
<input type="checkbox"/>	ulaguk@valicert.com	FW: mail -1 outbox check	11/27/00 6:28 PM	0
<input type="checkbox"/>	ulaguk@valicert.com	FW:	11/27/00 6:29 PM	2
<input type="checkbox"/>	ulaguk@valicert.com	mail -1 outbox check	11/27/00 3:32 PM	0
<input type="checkbox"/>	ulaguk@valicert.com	hi	11/27/00 6:23 PM	3
<input type="checkbox"/>	ulaguk@valicert.com	RE: reply all	11/27/00 6:27 PM	0
<input type="checkbox"/>	ulaguk@valicert.com	4 attachments	11/27/00 6:35 PM	4
<input type="checkbox"/>	ulaguk@valicert.com	copy paste in mMessage area	11/27/00 6:36 PM	4
<input type="checkbox"/>	ulaguk@valicert.com	FW: copy paste in mMessage area	11/29/00 10:41 AM	4
<input type="checkbox"/>	ulaguk@valicert.com	FW: FW: copy paste in mMessage area	11/29/00 10:42 AM	4
<input type="checkbox"/>	ulaguk@valicert.com		11/29/00 10:45 AM	1

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Document Authority: User Registration

Document Authority - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Document Authority™

My Documents My Messages My Receipts My Profile Administration

Welcome, Ulagu Kumar --Current domain is main

ValiCert
Securing e-Transactions™

? Help
Support
Logout

Administration

fields marked with asterisk (*) are required fields

EditProfile

*User ID:	admin
*First Name:	Ulagu
*Last Name:	Kumar
Password:	
Confirm Password:	
Password Hint:	
*Email Address:	ulaguk@valicert.com
Company Name:	
Business Phone:	
Fax:	
Certificate for Authentication:	

Done Internet

Document Authority: Administration

The screenshot shows a web browser window titled "Document Authority - Microsoft Internet Explorer". The address bar is empty. The page has a blue header with the "Document Authority" logo and the ValiCert logo with the tagline "Securing e-Transactions". Below the header is a navigation bar with tabs: "My Documents", "My Messages", "My Receipts", "My Profile", and "Administration" (which is selected). A welcome message reads: "Welcome, Ulagu Kumar --Current domain is main".

On the left side, there is a vertical menu with the following items: "User Admin", "Group Admin", "Role Admin", "? Help", "Support", and "Logout".

The main content area is titled "Administration" in blue. Below this title is a red warning message: "This is Administration Area. Certain operations require specific permissions. Please refer to the online help for further details." Below the warning is a grey bar with the text "Group, User, and Role Administration".

Below the grey bar are three columns, each with an icon and a title:

- User Administration** (Icon: A single person): "Create, edit, delete and assign groups/roles to users"
- Group Administration** (Icon: Two people): "Create and edit member lists of groups. Assign roles to groups. Manage Access Control Lists (ACLs) for groups and their members"
- Role Administration** (Icon: A megaphone): "Create and edit roles. Manage Access Control Lists (ACLs) for roles."

The bottom of the browser window shows a status bar with "Done" on the left and "Internet" on the right.

Case Study:



“We found that ValiCert could provide us with secure transaction technology that was both proven and Identrus enabled. Another major consideration in our acquiring ValiCert solutions was that we can envisage using their technology in support of future business proposition.”

Application

- Secure B2B corporate purchasing portal used for document sharing, delivery, and storage

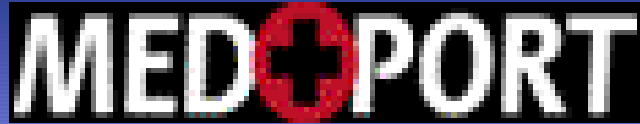
Selection Criteria

- Customizable for www.barclaysb2b.com site
- Highly Secure
- Scaleable
- Adaptable
- Identrus

Solution

- ValiCert Document Authority

Case Study:



“With the new HIPAA regulations ready to go into effect, time to market was critical to our success. The ValiCert Document Authority is the most comprehensive solution available today to meet and exceed HIPAA’s demands.”

Application

- Secure prescription delivery from a physician to a pharmacy.

Selection Criteria

- Completeness of solution (including PSO)
- Highly Secure
- Cost Effectiveness
- Adaptable

Solution

- ValiCert Document Authority

Roadmap

Document Authority 1.5

- Identrus enabled Validation and Signing
- Document Sharing via shared public folders
- Content Search *within* Documents
- Search on Meta Data
- Multi-Signature
- Document Versioning
- SecureTransport Integration

Document Authority 2.0

- Workflow
- Client Side software signing

Suggested Applications

Web Based Secure Email/Secure Document Delivery

- **Secure document delivery for agencies, their employees, suppliers & customers**
- **Secure, Private Community**
- **100% Web-based**
- **Integrable with portals & back-end applications**
- **E-mail notification for all Web downloads provides provable audit trail of communication.**

RFP Automation

- **Buyer posts RFI/RFP at Document Authority**
- **Validated Sellers retrieve RFI/RFP at DA.**
- **Sellers submit response at DA.**
- **Buyer selects winners**
- **Winners Notified privately or publicly through DA.**

Long Term Archive

- **Government Agency/Agencies store documents at Document Authority.**
 - **Manually**
 - **Email**
 - **Automated 3rd party processes, EDI**
 - **Set expiry**
- **Citizens at large or Controlled Community accesses documents**

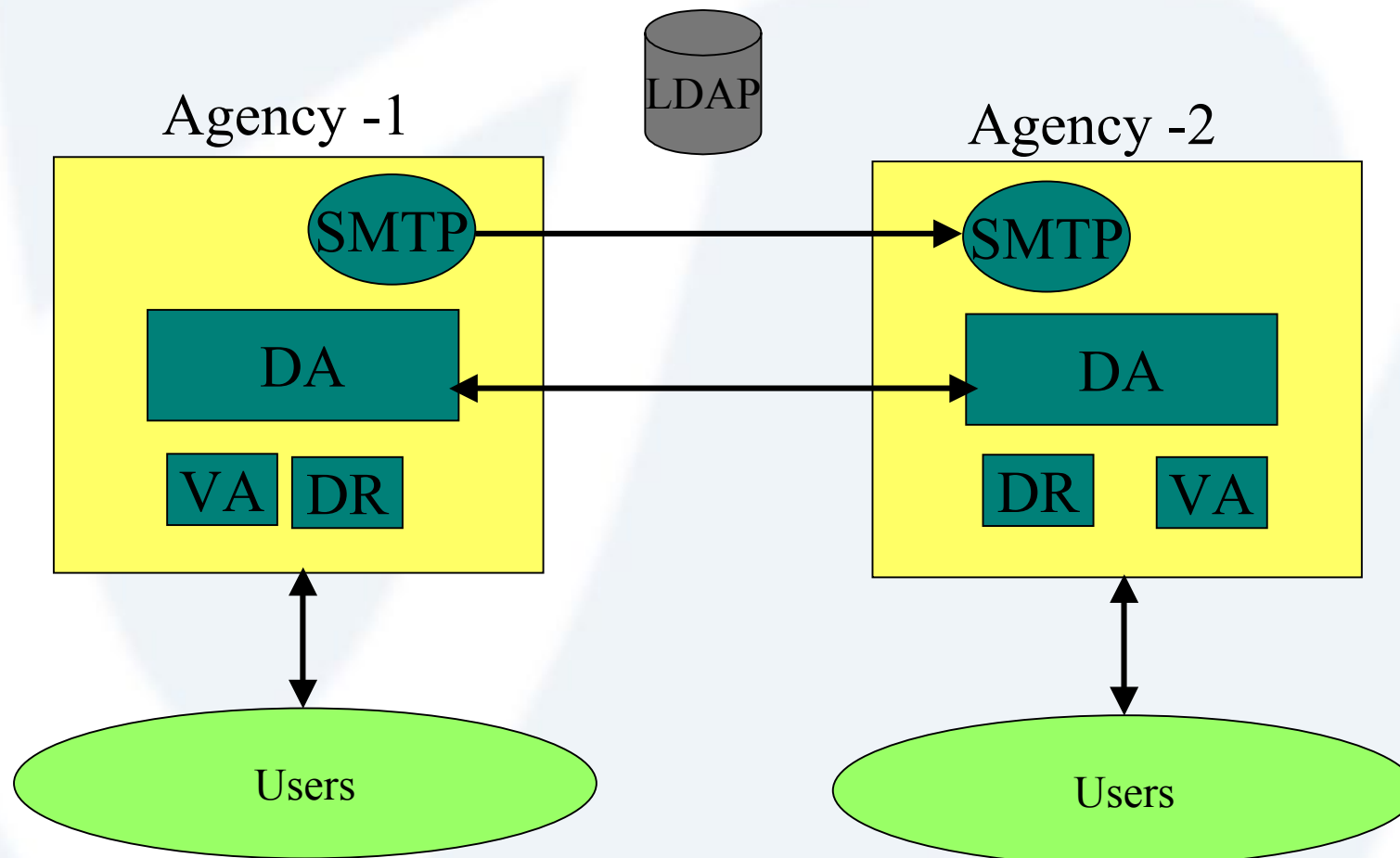
HIPAA Compliance

- **HIPAA requires medical organizations to ensure all Internet communications and transactions are encrypted and auditable**
- **DA provides the solution:**
 - **Between providers and insurers**
 - **Between providers and the govt.**
 - **Between govt. and insurers**
 - **Between each of the above and the patient**
- **Scalable to multi-party “system”**

Document Authority as Secure Document Platform

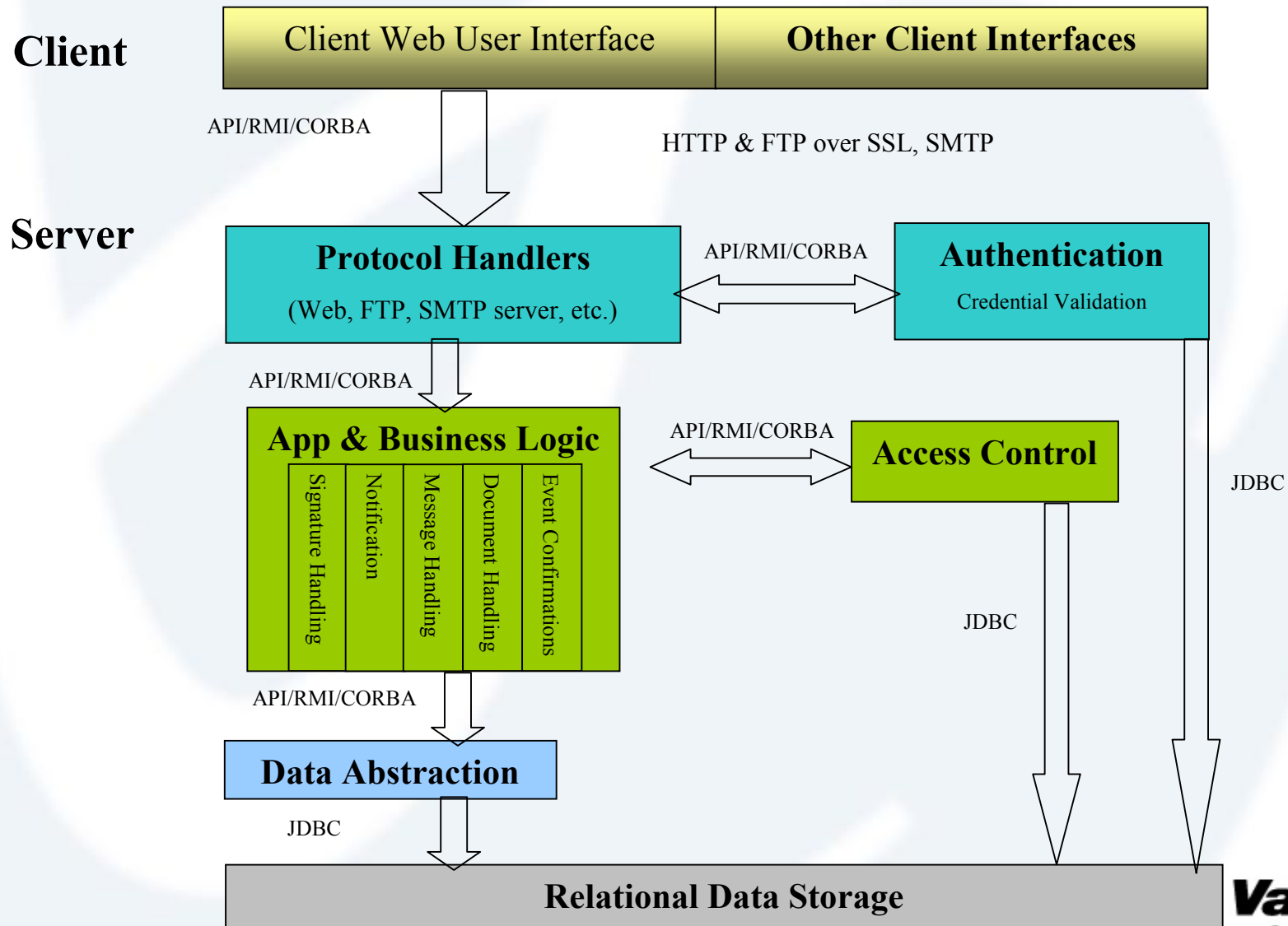
- **Provide for shared & controlled access, web based & SMTP based messaging**
- **Customizable templates for specific agency needs: contracts, submissions etc.**
- **Send/workflow documents to other agencies & suppliers**
- **Long term archiving and versioning**
- **Integration w/ 3rd party services: messaging, legal, supplier provided etc.**
- **Use digital signatures to execute legally binding contracts, submissions & responses; E-Sign provides enabling framework; rest can be work through business processes**
- **Store, notarize, validate contracts, submissions & notices; Provide evidence for dispute resolution**
- **Broad Range of E-govt Processes: RFP notices, RFP submissions, corporate filings.**

E-Government Secure Document Platform: E-Japan



System Information

Document Authority Architecture



System Requirements

Requirement	Minimum	Recommended
• Document Authority		
Hardware	E-Class Sun Solaris Ultra 10	E-Class Sun Solaris E-450
Memory	512 MB	1 GB
Disk Space	2.5 GB	5 GB
OS	Sun Solaris 2.7	
Processors	1 or more	
• Database		
Oracle	Sun Solaris E4500 or better	
Processors	2 or more	
Disk Space	20GB or higher	
• Internet Browsers		
IE	5.5	
Netscape	4.6, 4.7	

Thank You!